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- 5 The Shanghai Maglev Train takes 8 minutes to travel a distance of 30.5 kilometres.

Work out the average speed of the train.  
Give your answer in kilometres per hour.

..... kilometres per hour

**(Total for Question 5 is 3 marks)**



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- 4 A train journey from Paris to Amsterdam took 3 hours 24 minutes.  
The total distance the train travelled was 433.5 km.

Work out the average speed of the train.  
Give your answer in kilometres per hour.

..... km/h

(Total for Question 4 is 3 marks)



P 6 6 2 9 8 A 0 5 2 8

- 7 Milly went on a car journey.

She travelled from Anesey to Breigh to Clando and then to Duckbridge.

For Anesey to Breigh, Milly drove the 245 km in 2.5 hours.

For Breigh to Clando, Milly drove the 220 km at an average speed of 80 km/h

For Clando to Duckbridge, Milly drove at an average speed of 72 km/h in 50 minutes.

Work out Milly's average speed, in km/h, for the journey from Anesey to Duckbridge.

Give your answer correct to one decimal place.

..... km/h

(Total for Question 7 is 4 marks)



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**Answer ALL TWENTY TWO questions.**

**Write your answers in the spaces provided.**

**You must write down all the stages in your working.**

- 1** A train takes 6 hours 39 minutes to travel from New Delhi to Kanpur.  
The train travels a distance of 429 km.

Work out the average speed of the train.

Give your answer in km/h correct to one decimal place.

..... km/h

**(Total for Question 1 is 3 marks)**



5 Abelle flew by plane from Dubai to Rome.

The flight time was 6 hours 42 minutes.

The average speed of the plane was 650 kilometres per hour.

Work out the distance the plane flew.

.....kilometres

(Total for Question 5 is 3 marks)

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- 5 A plane takes 3 hours 36 minutes to fly from the Cayman Islands to New York.  
The plane flies a distance of 2470 km.

Work out the average speed of the plane in km/h.  
Give your answer correct to the nearest whole number.

..... km/h

(Total for Question 5 is 3 marks)

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**Answer all TWENTY SIX questions.**

**Write your answers in the spaces provided.**

**You must write down all the stages in your working.**

- 1** A plane flew from Madrid to Dubai.

The distance the plane flew was 5658 km.

The flight time was 8 hours 12 minutes.

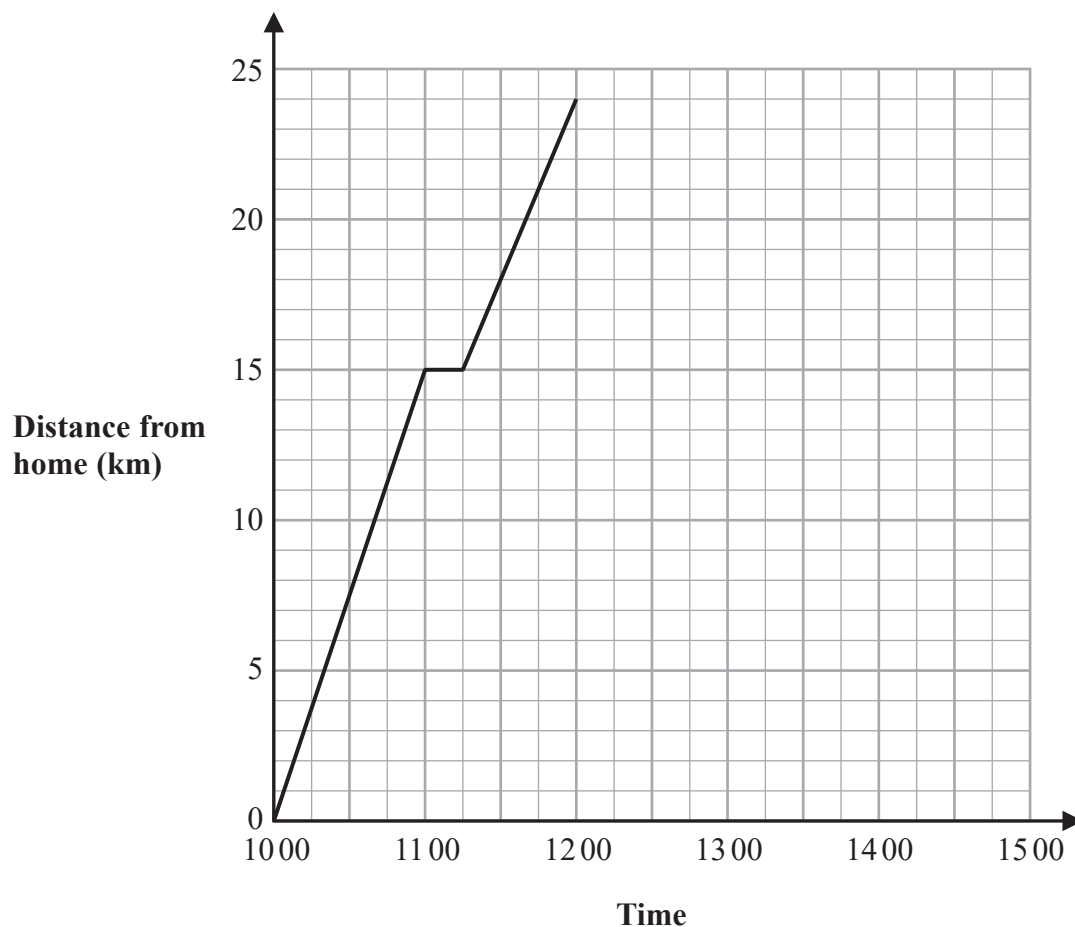
Work out the average speed of the plane.

..... km/h

**(Total for Question 1 is 3 marks)**



- 2 Jalina left her home at 1000 to cycle to a park.  
On her way to the park, she stopped at a friend's house and then continued her journey to the park.  
Here is the distance-time graph for her journey to the park.



- (a) On her journey to the park, did Jalina cycle at a faster speed before or after she stopped at her friend's house?  
Give a reason for your answer.

(1)

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Jalina stayed at the park for 45 minutes.

She then cycled, without stopping, at a constant speed of 16 km/h from the park back to her home.

(b) Show all this information on the distance-time graph.

(2)

(c) Work out Jalina's average cycling speed, in kilometres per hour, for the complete journey to the park and back.

Do **not** include the times when she was not cycling in your calculation.

Give your answer correct to 1 decimal place.

..... km/h  
(3)

(Total for Question 2 is 6 marks)



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- 3 An aeroplane travelled from New York City to Los Angeles.

The aeroplane travelled a distance of 3980 kilometres in 5 hours 24 minutes.

Work out the average speed of the aeroplane.

Give your answer in kilometres per hour correct to the nearest whole number.

..... kilometres per hour

(Total for Question 3 is 3 marks)



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- 3 Anjali travels on the Eurostar train from Paris to Amsterdam.

The distance the train travels between Paris and Amsterdam is 515 km.  
The time taken by the train to travel between Paris and Amsterdam is 3 hours 18 minutes.

Work out the average speed of the train.

Give your answer in km/h correct to the nearest whole number.

..... km/h

(Total for Question 3 is 3 marks)



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- 7 Pedro drove from Toulouse to Montpellier in 2 hours 42 minutes.  
He drove at an average speed of 90 km/hour.

Janine drove from Toulouse to Montpellier along the same route as Pedro.  
The journey took her 3 hours.

Work out Janine's average speed for the journey.

..... km/hour

(Total for Question 7 is 4 marks)



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3 A plane takes 9 hours 36 minutes to fly from New Delhi to Perth.

The plane flies at an average speed of 820 km/h.

Work out the total distance the plane flies.

..... km

(Total for Question 3 is 3 marks)



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- 6 A rocket travelled 100 km at an average speed of 28 440 km/h.

Work out how long it took the rocket to travel the 100 km.  
Give your answer in seconds, correct to the nearest second.

..... seconds

**(Total for Question 6 is 3 marks)**

